

Akash Jagannathan

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Technical Skills

Front-End Development

HTML5
CSS3
jQuery
jQuery UI
HTTP Request/Response
Ajax
Responsive Web Development

Languages

Python
JavaScript
Swift 3

Databases

SQL (MySQL, SQLite)
NoSQL (MongoDB)
Mongoose.js

Servers

Flask
Node.js

Frameworks

Django
Express/Socket.io
Angular
Core Data (iOS)
Core Location (iOS)
Twitter Bootstrap

Version Control

Git
Github

JS/jQuery Libraries

Highcharts
tablesorter
fancy input
Arctext.js
Complexify.js

Methodology

OOP
MVC/MTV
RESTful Architecture

Full Stack Web Developer

Talented, fresh web developer looking to make significant and meaningful contributions in the tech field. Over 1450 hours of experience developing a strong working knowledge of ubiquitous programming languages, methodologies, and frameworks. Strongly self-motivated and a highly persistent work ethic with a positive attitude. Proven ability to pick up new concepts and technologies quickly.

Education

Coding Dojo, January – April 2017

Full Stack Web Development Program, Triple Black Belt

Completed an intensive 14 week, full-time web development program, including the introduction, implementation, and iteration of various web projects over 3 full stacks. Earned a triple black belt which is the highest recognition given to the top students.

University of California, San Diego, September 2010 – June 2015

Bachelor of Science in Cognitive Science with Honors, Minor in Gen. Biology

Upper Division Major GPA: 3.93

Total GPA: 3.52

Experience

Etkin Lab, Stanford School of Medicine July 2015 – September 2016

Volunteer Research Assistant

Tested and debugged complex source code (brain-wave artifact rejection algorithm) in MATLAB for a top Stanford psychiatry lab. Introduced to the Python programming language and the Unix shell. Provided timely assistance in human research experiments targeting new treatments for mental disorders in veterans.

Projects

User Dashboard (akashj.pythonanywhere.com) Web app allowing users to login/register, manage other users, post messages and comments on each other's walls (similar to Facebook), and edit their personal information. Includes full-fledged login/registration functionality including back-end validations. Utilizes knowledge of MTV architecture and password encryption.

Tech – Python, Django, SQLite, Twitter Bootstrap, jQuery, JavaScript, HTML5, CSS3

Face Detection App (54.153.96.159) A nifty app utilizing the OpenCV library that is able to detect the number of faces in an uploaded PNG image with decent accuracy.

Tech – HTML5, CSS3, Python, Django, Twitter Bootstrap, OpenCV

Pac-Man (ajag408.github.io/pacman) A simple rendition of the popular game Pac-Man. Highlights include the face of Pac-Man/Pac-Woman changing direction based on which way they are moving, a pseudo-randomly moving ghost, and cherries worth extra points. Move Pac-Man using the arrow keys and Pac-Woman using e-f-c-s.

Tech – HTML5, CSS3, JavaScript